

ABSTRACT OF THE DISCLOSURE

Method for liquefying a gas which comprises cooling a feed gas stream
5 successively through first and second temperature ranges to provide a liquefied product,
wherein refrigeration for cooling the feed gas stream in the first temperature range is
provided by a first vaporizing refrigerant and refrigeration for cooling the stream in the
second temperature range is provided by a second vaporizing refrigerant, and further
wherein an auxiliary refrigerant derived from the second vaporizing refrigerant provides
10 additional refrigeration by vaporization at temperatures above a lowest temperature in
the first temperature range.

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